Available online at www.sciencedirect.com
SCIENCE DIRECT®
Optics Communications 233 (2004) 445–451
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Author index to volume 233

Adamski, A., see Hutsebaut, X. 233 (2004) 211
Agulló-López, F., see Calvo, G.F. 233 (2004) 439
Ahn, S.J., J. Park, H.S. Seo and N. Park, S/S+ band tunable thulium-doped fiber laser anchored on 50-GHz ITU-T grid 233 (2004) 127
Aït-Ameur, K. and F. Sanchez, T ransverse effects as source of error in coherence length measurements 233 (2004) 39
Aldén, M., see Alwahabi, Z.T. 233 (2004) 373
Ali, R., see Riaz, M. 233 (2004) 323
Allen, L.J., W. McBride and M.P. Oxley, Exit wave reconstruction using soft X-rays 233 (2004) 77
Alwahabi, Z.T., Z.S. Li, J. Zetterberg and M. Aldén, Infrared polarization spectroscopy of CO_2 at atmospheric pressure 233 (2004) 373
Ania-Castañón, J.D., I.O. Nasieva, N. Kurukitkoson, S.K. Turitsyn, C. Borsier and E. Pincemin, Nonlinearity management in fiber transmission systems with hybrid amplification 233 (2004) 353
Anwar-ul-Haq, M., see Riaz, M. 233 (2004) 323
Ayyub, P., see Vasa, P. 233 (2004) 297

Badikov, V.V., see Johnson, M.B. 233 (2004) 403
Baig, M.A., see Riaz, M. 233 (2004) 323
Barreiro, S. and J.W.R. Tabosa, Nondegenerate four-wave mixing in a Zeeman degenerate three-level system of cold cesium 233 (2004) 383
Beléndez, A., see Neipp, C. 233 (2004) 311
Bonfigli, F., M. Cathelinaud, B. Jacquier, R.M. Montereali, P. Moretti, E. Nichelatti, M. Piccinini, H. Rigneault and F. Somma, Design and fabrication of optical microcavities based on F_2 colour centres in lithium fluoride films 233 (2004) 389
Bonifacio, R., F.S. Cataliotti, M. Cola, L. Fallani, C. Fort, N. Piovella and M. Inguscio, Superradiant light scattering from a moving Bose–Einstein condensate 233 (2004) 155
Borsier, C., see Ania-Castañón, J.D. 233 (2004) 353

Cai, L.Z., Q. Liu and X.L. Yang, Simultaneous digital correction of amplitude and phase errors of retrieved wave-front in phase-shifting interferometry with arbitrary phase shift errors 233 (2004) 21
Calvo, G.F., F. Agulló-López and M. Carrascosa, Transition from local to nonlocal photorefractive nonlinearity on increasing spatial dimensionality 233 (2004) 439
Cambournac, C., see Hutsebaut, X. 233 (2004) 211
Carrascosa, M., see Calvo, G.F. 233 (2004) 439
Cataliotti, F.S., see Bonifacio, R. 233 (2004) 155

doi:10.1016/S0030-4018(04)00203-2

Cathelinaud, M., see Bonfigli, F. 233 (2004) 389
Chanclou, P., C. Kaczmarek, G. Mouzer, O. Gautreau, M. Thual and P. Grosso, Design and demonstration of a multicore single-mode fiber coupled lens device 233 (2004) 333
Cheng, Y.-R., see Jen, Y.-J. 233 (2004) 271
Cheng, W.H., see Lay, T.S. 233 (2004) 89
Cheng, C.-J., see Lin, L.-C. 233 (2004) 283
Cheng, B., see Ni, P. 233 (2004) 199
Chevallier, R., see Kaiser, J.-L. 233 (2004) 261
Chin, S.L., see Luo, Q. 233 (2004) 411
Chirossel, L., see Martinez, C. 233 (2004) 97
Chow, Y.T., see Zhang, G.H. 233 (2004) 425
Chu, P.L., see Zhang, G.H. 233 (2004) 425
Ciaramella, E., see Presi, M. 233 (2004) 359
Cola, M., see Bonifacio, R. 233 (2004) 155
Contestabile, G., see Presi, M. 233 (2004) 359

D'Errico, A., see Presi, M. 233 (2004) 359
Depine, R.A. and A. Lakhtakia, Perturbative approach for diffraction due to a periodically corrugated boundary between vacuum and a negative phase-velocity material 233 (2004) 277
Di Fabrizio, M., see Lucchetti, L. 233 (2004) 417
Diels, J.-C., see Meng, X. 233 (2004) 167
Ding, Y.J., see Shi, W. 233 (2004) 183
Du, C., Z. Hu and S. Li, Transient properties of atomic coherence induced by an nonsingular-DOM reservoir 233 (2004) 139
Du, Q., see Kopriva, I. 233 (2004) 7

Fallani, L., see Bonifacio, R. 233 (2004) 155
Fang, H.-T. and D.-S. Huang, Noise reduction in lidar signal based on discrete wavelet transform 233 (2004) 67
Fasquel, S., X. Mélique, D. Lippens and O. Vanbésien, Time dependence of directive channelling in photonic crystal based multiport devices 233 (2004) 305
Fedorov, V., see Johnson, M.B. 233 (2004) 403
Feng, S., see Ni, P. 233 (2004) 199
Ferland, B., see Luo, Q. 233 (2004) 411
Field, R.W., see Yi, P. 233 (2004) 131
Fort, C., see Bonifacio, R. 233 (2004) 155
Francescangeli, O., see Lucchetti, L. 233 (2004) 417

Gallagher, A., see Protasenko, V.V. 233 (2004) 45
Gallego, S., see Neipp, C. 233 (2004) 311
Gao, S., C. Yang, X. Xiao and G. Jin, Broadband and multiple-channel visible laser generation by use of segmented quasi-phase-matching gratings 233 (2004) 205
Gautreau, O., see Chanclou, P. 233 (2004) 333
Grosso, P., see Chanclou, P. 233 (2004) 333
Guidoux, C., see Martinez, C. 233 (2004) 97
Guo, Q., see Jiang, X. 233 (2004) 1
Gupta, P.D., see Sharma, A.K. 233 (2004) 431

Habara, H., R. Kodama, M. Mori, K. Sawai, K. Suzuki, Y. Kitagawa and T. Yamanaka, Increasing laser intensity using pulse shaping method in fast ignitor research 233 (2004) 173
Haelterman, M., see Hutsebaut, X. 233 (2004) 211
Han, X. and H. Jiang, Characteristics of scattering diagram of a cylinder in rainbow angles with mixed orders 233 (2004) 253
Harrison, J.G., see Johnson, M.B. 233 (2004) 403
He, S., see Song, J. 233 (2004) 363
Hoarau, B., see Martinez, C. 233 (2004) 97
Hosseini, S.A., see Luo, Q. 233 (2004) 411
Hu, Z., see Du, C. 233 (2004) 139
Hu, W., see Jiang, X. 233 (2004) 1
Huang, D.-S., see Fang, H.-T. 233 (2004) 67
Hutsebaut, X., C. Cambournac, M. Haelterman, A. Adamski and K. Neyts, Single-component higher-order mode solitons in liquid crystals 233 (2004) 211
Hwang, S.-J., H.H. Yu and J. Wang, Electro-optic modulators formed by in-plane electric-field-poled polymer waveguides 233 (2004) 341

Ilchenko, V.S., see Matsko, A.B. 233 (2004) 107
Inguscio, M., see Bonifacio, R. 233 (2004) 155

Jacquier, B., see Bonfigli, F. 233 (2004) 389
Jacquin, O., see Martinez, C. 233 (2004) 97
Jen, Y.-J. and Y.-R. Cheng, Total reflection of waves propagating from a rare isotropic medium to a dense anisotropic medium 233 (2004) 271
Jiang, X., Q. Guo, H. Li and W. Hu, Induced focusing from counter-propagation of two optical beams in self-defocusing media 233 (2004) 1
Jiang, H., see Han, X. 233 (2004) 253
Jin, G., see Gao, S. 233 (2004) 205
Johnson, M.B., S.B. Mirov, V. Fedorov, M.E. Zvanut, J.G. Harrison, V.V. Badikov and G.S. Shevirdyaeva, Absorption and photoluminescence studies of $CdGa_2S_4$:Cr 233 (2004) 403

Kaczmarek, C., see Chanclou, P. 233 (2004) 333
Kaiser, J.-L., E. Quertemont and R. Chevallier, Light propagation in the pseudo-paraxial Fresnel approximation 233 (2004) 261
Keshmiri, S.H., see Shokooh-Saremi, M. 233 (2004) 57
Kitagawa, Y., see Habara, H. 233 (2004) 173
Kodama, R., see Habara, H. 233 (2004) 173
Koo, B., see Park, J. 233 (2004) 397
Kopriva, I., Q. Du, H. Szu and W. Wasylkiwskyj, Independent component analysis approach to image sharpening in the presence of atmospheric turbulence 233 (2004) 7
Korotkova, O., M. Salem and E. Wolf, The far-zone behavior of the degree of polarization of electromagnetic beams propagating through atmospheric turbulence 233 (2004) 225
Kristensen, T.B. and K. Pedersen, Second-harmonic generation pulse splitting in quartz observed by frequency-domain interferometry 233 (2004) 219
Kurukitkoson, N., see Ania-Castañón, J.D. 233 (2004) 353
Kwon, M.-S. and S.-Y. Shin, Simple and fast numerical analysis of multilayer waveguide modes 233 (2004) 119

Lakhtakia, A., see Depine, R.A. 233 (2004) 277
Lam, K.W., see Wang, D.N. 233 (2004) 191
Lay, T.S., H.M. Yang, C.W. Lee and W.H. Cheng, Fiber grating laser: a performance study on coupling efficiency of fiber microlens and the Bragg reflectivity 233 (2004) 89
Lee, C.W., see Lay, T.S. 233 (2004) 89
Li, Z.S., see Alwahabi, Z.T. 233 (2004) 373
Li, S., see Du, C. 233 (2004) 139
Li, H., see Jiang, X. 233 (2004) 1
Li, L., see Yi, P. 233 (2004) 131
Liang, H., see Zheng, Z. 233 (2004) 149
Liesener, J., M. Reicherter and H.J. Tiziani, Determination and compensation of aberrations using SLMs 233 (2004) 161
Lin, L.-C. and C.-J. Cheng, Pattern discrimination of joint transform correlator based on wavelet subband filtering 233 (2004) 283
Lippens, D., see Fasquel, S. 233 (2004) 305
Liu, Q., see Cai, L.Z. 233 (2004) 21
Liu, Y., see Yi, P. 233 (2004) 131
Lü, M.K., see Zhang, G.H. 233 (2004) 425
Lucchetti, L., M. Di Fabrizio, O. Francescangeli and F. Simoni, Colossal optical nonlinearity in dye doped liquid crystals 233 (2004) 417
Luo, Q., S.A. Hosseini, B. Ferland and S.L. Chin, Backward time-resolved spectroscopy from filament induced by ultrafast intense laser pulses 233 (2004) 411
Lyyra, A.M., see Yi, P. 233 (2004) 131

Márquez, A., see Neipp, C. 233 (2004) 311
Ma, B., see Ni, P. 233 (2004) 199
Maleki, L., see Matsko, A.B. 233 (2004) 107
Martinez, C., B. Hoarau, L. Chirossel, O. Jacquin and C. Guidoux, Advanced spectral filtering functionalities in ion-exchanged waveguides with artificial cladding gratings 233 (2004) 97
Matsko, A.B., A.A. Savchenkov, V.S. Ilchenko and L. Maleki, Optical gyroscope with whispering gallery mode optical cavities 233 (2004) 107
McBride, W., see Allen, L.J. 233 (2004) 77
Mélique, X., see Fasquel, S. 233 (2004) 305
Meng, X., R. Quintero-Torres and J.-C. Diels, Intracavity pumped optical parametric oscillator bidirectional ring laser as a differential interferometer 233 (2004) 167
Ming, H., see Zheng, Z. 233 (2004) 149
Mirov, S.B., see Johnson, M.B. 233 (2004) 403
Mirsalehi, M.M., see Shokooh-Saremi, M. 233 (2004) 57
Montereali, R.M., see Bonfigli, F. 233 (2004) 389
Moreno, I., G. Paez and M. Strojnik, Reversal and rotationally shearing interferometer 233 (2004) 245
Moretti, P., see Bonfigli, F. 233 (2004) 389
Mori, M., see Habara, H. 233 (2004) 173
Mouzer, G., see Chanclou, P. 233 (2004) 333

Naik, P.A., see Sharma, A.K. 233 (2004) 431
Nasieva, I.O., see Ania-Castañón, J.D. 233 (2004) 353
Neipp, C., J.T. Sheridan, S. Gallego, M. Ortuño, A. Márquez, I. Pascual and A. Beléndez, Effect of a depth attenuated refractive index profile in the angular

responses of the efficiency of higher orders in volume gratings recorded in a PVA/acrylamide photopolymer 233 (2004) 311
Nesbitt, D.J., see Protasenko, V.V. 233 (2004) 45
Neyts, K., see Hutsebaut, X. 233 (2004) 211
Ni, P., B. Ma, S. Feng, B. Cheng and D. Zhang, Multiple-wavelength second-harmonic generations in a two-dimensional periodically poled lithium niobate 233 (2004) 199
Nichelatti, E., see Bonfigli, F. 233 (2004) 389
Nourian, M., see Shokooh-Saremi, M. 233 (2004) 57

Ortuño, M., see Neipp, C. 233 (2004) 311
Oxley, M.P., see Allen, L.J. 233 (2004) 77

Paez, G., see Moreno, I. 233 (2004) 245
Park, N., see Ahn, S.J. 233 (2004) 127
Park, J., see Ahn, S.J. 233 (2004) 127
Park, Y., see Park, J. 233 (2004) 397
Park, J., D. Seo, B. Koo and Y. Park, Measurement of visual index in tunnels using automatic gain controlled laser diodes and a homodyne detection scheme 233 (2004) 397
Pang, D., see Song, J. 233 (2004) 363
Pascual, I., see Neipp, C. 233 (2004) 311
Pedersen, K., see Kristensen, T.B. 233 (2004) 219
Piccinini, M., see Bonfigli, F. 233 (2004) 389
Pincemin, E., see Ania-Castañón, J.D. 233 (2004) 353
Piovella, N., see Bonifacio, R. 233 (2004) 155
Presi, M., A. D'Errico, G. Contestabile and E. Ciaramella, High power, multi-wavelength 40 GHz pulse source for WDM–OTDM applications 233 (2004) 359
Protasenko, V.V., A. Gallagher and D.J. Nesbitt, Factors that influence confocal apertureless near-field scanning optical microscopy 233 (2004) 45
Pruss, C. and H.J. Tiziani, Dynamic null lens for aspheric testing using a membrane mirror 233 (2004) 15

Quertemont, E., see Kaiser, J.-L. 233 (2004) 261
Quintero-Torres, R., see Meng, X. 233 (2004) 167

Reicherter, M., see Liesener, J. 233 (2004) 161
Ren, Q., see Zhang, G.H. 233 (2004) 425
Riaz, M., M. Anwar-ul-Haq, R. Ali and M.A. Baig, Resonance enhanced multi-photon excitation spectroscopy of atomic thallium 233 (2004) 323
Rigneault, H., see Bonfigli, F. 233 (2004) 389

Salem, M., see Korotkova, O. 233 (2004) 225
Sanchez, F., see Aït-Ameur, K. 233 (2004) 39
Savchenkov, A.A., see Matsko, A.B. 233 (2004) 107
Sawai, K., see Habara, H. 233 (2004) 173
Schunemann, P.G., see Shi, W. 233 (2004) 183
Seo, H.S., see Ahn, S.J. 233 (2004) 127
Seo, D., see Park, J. 233 (2004) 397

Sharma, A.K., P.A. Naik and P.D. Gupta, Estimation of higher order chirp in ultrashort laser pulses using modified spectrum auto-interferometric correlation 233 (2004) 431
Sheridan, J.T., see Neipp, C. 233 (2004) 311
Shevirdyaeva, G.S., see Johnson, M.B. 233 (2004) 403
Shi, W., Y.J. Ding and P.G. Schunemann, Coherent terahertz waves based on difference-frequency generation in an annealed zinc–germanium phosphide crystal: improvements on tuning ranges and peak powers 233 (2004) 183
Shin, S.-Y., see Kwon, M.-S. 233 (2004) 119
Shokooh-Saremi, M., M. Nourian, M.M. Mirsalehi and S.H. Keshmiri, Design of multilayer polarizing beam splitters using genetic algorithm 233 (2004) 57
Simoni, F., see Lucchetti, L. 233 (2004) 417
Singh, B.P., see Vasa, P. 233 (2004) 297
Somma, F., see Bonfigli, F. 233 (2004) 389
Song, J., D. Pang and S. He, A MoM-based design and simulation method for an etched diffraction grating demultiplexer 233 (2004) 363
Song, M., see Yi, P. 233 (2004) 131
Strojnik, M., see Moreno, I. 233 (2004) 245
Suzuki, K., see Habara, H. 233 (2004) 173
Szu, H., see Kopriva, I. 233 (2004) 7

Tabosa, J.W.R., see Barreiro, S. 233 (2004) 383
Tanaka, M., see Tanaka, K. 233 (2004) 231
Tanaka, K. and M. Tanaka, Optimized computer-aided design of I-shaped subwavelength aperture for high intensity and small spot size 233 (2004) 231
Taneja, P., see Vasa, P. 233 (2004) 297
Taylor, H.F., see Yim, S. 233 (2004) 113
Thual, M., see Chanclou, P. 233 (2004) 333
Tiziani, H.J., see Liesener, J. 233 (2004) 161
Tiziani, H.J., see Pruss, C. 233 (2004) 15
Turitsyn, S.K., see Ania-Castañón, J.D. 233 (2004) 353

Vanbésien, O., see Fasquel, S. 233 (2004) 305
Vasa, P., B.P. Singh, P. Taneja and P. Ayyub, Antiresonant ring interferometry as a sensitive technique for measuring nonlinear optical properties of thin films 233 (2004) 297
Vérinaud, C., On the nature of the measurements provided by a pyramid wave-front sensor 233 (2004) 27

Wang, J., see Hwang, S.-J. 233 (2004) 341
Wang, D.N. and K.W. Lam, Tunable multiwavelength optical short pulse generation using cascaded fiber Bragg gratings and an erbium-doped fiber amplifier in a simple self-seeding scheme 233 (2004) 191
Wang, K.-r., see Wu, Q. 233 (2004) 83
Wang, X., see Wu, Q. 233 (2004) 83
Wang, X.Q., see Zhang, G.H. 233 (2004) 425
Wasylkiwskyj, W., see Kopriva, I. 233 (2004) 7
Wolf, E., see Korotkova, O. 233 (2004) 225
Wu, Q., C.-X. Yu, K.-r. Wang, X.-j. Xin, X. Wang and Z.-h. Yu, The control of channel numbers with equal reflectivity of sinc-sampled fiber Bragg gratings 233 (2004) 83

Xiao, X., see Gao, S. 233 (2004) 205
Xie, J., see Zheng, Z. 233 (2004) 149
Xin, X.-j., see Wu, Q. 233 (2004) 83
Xu, X.G., see Zhang, G.H. 233 (2004) 425
Xu, D., see Zhang, G.H. 233 (2004) 425

Yamanaka, T., see Habara, H. 233 (2004) 173
Yang, X.L., see Cai, L.Z. 233 (2004) 21
Yang, C., see Gao, S. 233 (2004) 205
Yang, H.M., see Lay, T.S. 233 (2004) 89
Yi, P., M. Song, Y. Liu, R.W. Field, L. Li and A.M. Lyyra, Experimental observation of Autler–Townes splitting of the Na_2 $A^1\Sigma_u^+ \sim b^3\Pi_u$ mixed levels 233 (2004) 131
Yim, S. and H.F. Taylor, Spectral slicing optical waveguide filters for dense wavelength division multiplexing 233 (2004) 113
Yu, H.H., see Hwang, S.-J. 233 (2004) 341
Yu, C.-X., see Wu, Q. 233 (2004) 83
Yu, Z.-h., see Wu, Q. 233 (2004) 83
Yuan, D.R., see Zhang, G.H. 233 (2004) 425

Zetterberg, J., see Alwahabi, Z.T. 233 (2004) 373
Zhang, D., see Ni, P. 233 (2004) 199
Zhang, G.H., D. Xu, Y.T. Chow, M.K. Lü, X.Q. Wang, D.R. Yuan, P.L. Chu, Q. Ren and X.G. Xu, Violet light second harmonic generation and optical properties of the nonlinear optical organometallic $ZnCd(SCN)_4$ crystal 233 (2004) 425
Zhang, Q., see Zheng, Z. 233 (2004) 149
Zheng, Z., H. Liang, H. Ming, Q. Zhang and J. Xie, Optical transition probability of the Er^{3+} ion in $Er(DBM)_3$phen-doped poly(methyl methacrylate) 233 (2004) 149
Zvanut, M.E., see Johnson, M.B. 233 (2004) 403

Available online at www.sciencedirect.com
SCIENCE DIRECT®
Optics Communications 233 (2004) 453–456
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Subject index to volume 233

Propagation and scattering

X. Jiang, Q. Guo, H. Li and W. Hu, Induced focusing from counter-propagation of two optical beams in self-defocusing media 1

I. Kopriva, Q. Du, H. Szu and W. Wasylkiwskyj, Independent component analysis approach to image sharpening in the presence of atmospheric turbulence 7

C. Pruss and H.J. Tiziani, Dynamic null lens for aspheric testing using a membrane mirror 15

L.Z. Cai, Q. Liu and X.L. Yang, Simultaneous digital correction of amplitude and phase errors of retrieved wave-front in phase-shifting interferometry with arbitrary phase shift errors 21

C. Vérinaud, On the nature of the measurements provided by a pyramid wave-front sensor 27

K. Aït-Ameur and F. Sanchez, Transverse effects as source of error in coherence length measurements 39

O. Korotkova, M. Salem and E. Wolf, The far-zone behavior of the degree of polarization of electromagnetic beams propagating through atmospheric turbulence 225

K. Tanaka and M. Tanaka, Optimized computer-aided design of I-shaped subwavelength aperture for high intensity and small spot size 231

I. Moreno, G. Paez and M. Strojnik, Reversal and rotationally shearing interferometer 245

X. Han and H. Jiang, Characteristics of scattering diagram of a cylinder in rainbow angles with mixed orders 253

J.-L. Kaiser, E. Quertemont and R. Chevallier, Light propagation in the pseudo-paraxial Fresnel approximation 261

Y.-J. Jen and Y.-R. Cheng, Total reflection of waves propagating from a rare isotropic medium to a dense anisotropic medium 271

R.A. Depine and A. Lakhtakia, Perturbative approach for diffraction due to a periodically corrugated boundary between vacuum and a negative phase-velocity material 277

Optical information, image formation and analysis, optical computing

V.V. Protasenko, A. Gallagher and D.J. Nesbitt, Factors that influence confocal apertureless near-field scanning optical microscopy 45

doi:10.1016/S0030-4018(04)00204-4

M. Shokooh-Saremi, M. Nourian, M.M. Mirsalehi and S.H. Keshmiri, Design of multilayer polarizing beam splitters using genetic algorithm 57

H.-T. Fang and D.-S. Huang, Noise reduction in lidar signal based on discrete wavelet transform 67

L.J. Allen, W. McBride and M.P. Oxley, Exit wave reconstruction using soft X-rays 77

Q. Wu, C.-X. Yu, K.-r. Wang, X.-j. Xin, X. Wang and Z.-h. Yu, The control of channel numbers with equal reflectivity of sinc-sampled fiber Bragg gratings 83

L.-C. Lin and C.-J. Cheng, Pattern discrimination of joint transform correlator based on wavelet subband filtering 283

P. Vasa, B.P. Singh, P. Taneja and P. Ayyub, Antiresonant ring interferometry as a sensitive technique for measuring nonlinear optical properties of thin films 297

S. Fasquel, X. Mélique, D. Lippens and O. Vanbésien, Time dependence of directive channelling in photonic crystal based multiport devices 305

C. Neipp, J.T. Sheridan, S. Gallego, M. Ortuño, A. Márquez, I. Pascual and A. Beléndez, Effect of a depth attenuated refractive index profile in the angular responses of the efficiency of higher orders in volume gratings recorded in a PVA/acrylamide photopolymer 311

Optical communications

T.S. Lay, H.M. Yang, C.W. Lee and W.H. Cheng, Fiber grating laser: a performance study on coupling efficiency of fiber microlens and the Bragg reflectivity 89

C. Martinez, B. Hoarau, L. Chirossel, O. Jacquin and C. Guidoux, Advanced spectral filtering functionalities in ion-exchanged waveguides with artificial cladding gratings 97

A.B. Matsko, A.A. Savchenkov, V.S. Ilchenko and L. Maleki, Optical gyroscope with whispering gallery mode optical cavities 107

S. Yim and H.F. Taylor, Spectral slicing optical waveguide filters for dense wavelength division multiplexing 113

M.-S. Kwon and S.-Y. Shin, Simple and fast numerical analysis of multilayer waveguide modes 119

S.J. Ahn, J. Park, H.S. Seo and N. Park, S/S+ band tunable thulium-doped fiber laser anchored on 50-GHz ITU-T grid 127

M. Riaz, M. Anwar-ul-Haq, R. Ali and M.A. Baig, Resonance enhanced multi-photon excitation spectroscopy of atomic thallium 323

P. Chanclou, C. Kaczmarek, G. Mouzer, O. Gautreau, M. Thual and P. Grosso, Design and demonstration of a multicore single-mode fiber coupled lens device 333

S.-J. Hwang, H. Her Yu and J. Wang, Electro-optic modulators formed by in-plane electric-field-poled polymer waveguides 341

J.D. Ania-Castañón, I.O. Nasieva, N. Kurukitkoson, S.K. Turitsyn, C. Borsier and E. Pincemin, Nonlinearity management in fiber transmission systems with hybrid amplification 353

M. Presi, A. D'Errico, G. Contestabile and E. Ciaramella, High power, multi-wavelength 40 GHz pulse source for WDM–OTDM applications 359

J. Song, D. Pang and S. He, A MoM-based design and simulation method for an etched diffraction grating demultiplexer 363

Atomic and molecular physics

P. Yi, M. Song, Y. Liu, R.W. Field, L. Li and A.M. Lyyra, Experimental observation of Autler–Townes splitting of the Na_2 $A^1\Sigma_u^+ \sim b^3\Pi_u$ mixed levels 131

C. Du, Z. Hu and S. Li, Transient properties of atomic coherence induced by an nonsingular-DOM reservoir 139

Z.T. Alwahabi, Z.S. Li, J. Zetterberg and M. Aldén, Infrared polarization spectroscopy of CO_2 at atmospheric pressure 373

S. Barreiro and J.W.R. Tabosa, Nondegenerate four-wave mixing in a Zeeman degenerate three-level system of cold cesium 383

Condensed matter

Z. Zheng, H. Liang, H. Ming, Q. Zhang and J. Xie, Optical transition probability of the Er^{3+} ion in $Er(DBM)_3$phen-doped poly(methyl methacrylate) 149

Quantum optics

R. Bonifacio, F.S. Cataliotti, M. Cola, L. Fallani, C. Fort, N. Piovella and M. Inguscio, Superradiant light scattering from a moving Bose–Einstein condensate 155

J. Liesener, M. Reicherter and H.J. Tiziani, Determination and compensation of aberrations using SLMs 161

F. Bonfigli, M. Cathelinaud, B. Jacquier, R.M. Montereali, P. Moretti, E. Nichelatti, M. Piccinini, H. Rigneault and F. Somma, Design and fabrication of optical microcavities based on F_2 colour centres in lithium fluoride films 389

Laser physics and laser sources

X. Meng, R. Quintero-Torres and J.-C. Diels, Intracavity pumped optical parametric oscillator bidirectional ring laser as a differential interferometer 167

H. Habara, R. Kodama, M. Mori, K. Sawai, K. Suzuki, Y. Kitagawa and T. Yamanaka, Increasing laser intensity using pulse shaping method in fast ignitor research 173

W. Shi, Y.J. Ding and P.G. Schunemann, Coherent terahertz waves based on difference-frequency generation in an annealed zinc–germanium phosphide crystal: improvements on tuning ranges and peak powers 183

D.N. Wang and K.W. Lam, Tunable multiwavelength optical short pulse generation using cascaded fiber Bragg gratings and an erbium-doped fiber amplifier in a simple self-seeding scheme 191

J. Park, D. Seo, B. Koo and Y. Park, Measurement of visual index in tunnels using automatic gain controlled laser diodes and a homodyne detection scheme 397

M.B. Johnson, S.B. Mirov, V. Fedorov, M.E. Zvanut, J.G. Harrison, V.V. Badikov and G.S. Shevirdyaeva, Absorption and photoluminescence studies of $CdGa_2S_4$:Cr 403

Nonlinear optics

P. Ni, B. Ma, S. Feng, B. Cheng and D. Zhang, Multiple-wavelength second-harmonic generations in a two-dimensional periodically poled lithium niobate 199

S. Gao, C. Yang, X. Xiao and G. Jin, Broadband and multiple-channel visible laser generation by use of segmented quasi-phase-matching gratings 205

X. Hutsebaut, C. Cambournac, M. Haelterman, A. Adamski and K. Neyts, Single-component higher-order mode solitons in liquid crystals 211

T.B. Kristensen and K. Pedersen, Second-harmonic generation pulse splitting in quartz observed by frequency-domain interferometry 219

Q. Luo, S.A. Hosseini, B. Ferland and S.L. Chin, Backward time-resolved spectroscopy from filament induced by ultrafast intense laser pulses 411

L. Lucchetti, M. Di Fabrizio, O. Francescangeli and F. Simoni, Colossal optical nonlinearity in dye doped liquid crystals 417

G.H. Zhang, D. Xu, Y.T. Chow, M.K. Lü, X.Q. Wang, D.R. Yuan, P.L. Chu, Q. Ren and X.G. Xu, Violet light second harmonic generation and optical properties of the nonlinear optical organometallic $ZnCd(SCN)_4$ crystal 425

A.K. Sharma, P.A. Naik and P.D. Gupta, Estimation of higher order chirp in ultrashort laser pulses using modified spectrum auto-interferometric correlation 431

G.F. Calvo, F. Agulló-López and M. Carrascosa, Transition from local to nonlocal photorefractive nonlinearity on increasing spatial dimensionality 439